

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	36	( "20010011187"   "20010039450"   "20020123800"   "20020138138"   "20020169456"   "20020188348"   "20030036795"   "20030130726"   "20030191525"   "20030208261"   "20040015230"   "20040049262"   "20040193253"   "4218782"   "4902508"   "5156620"   "5411552"   "5554389"   "5607465"   "5855601"   "5993844"   "6099567"   "6110201"   "6126686"   "6168614"   "6200336"   "6206931"   "6254636"   "6287334"   "6299637"   "6364905"   "6485723"   "6508833"   "6582462"   "6716241"   "6752828" ).PN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/28 23:38
S2	18	stentless with graft	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/28 23:48
S3	380	stentless with valve	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/28 23:48
S4	322	S3 and "623".clas.	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/28 23:48
S5	34623	"623".\$clas.	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/28 23:48
S6	322	S5 and stentless with valve	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/28 23:49
S7	322	S5 and (stentless with valve)	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/28 23:49
S8	0	S5 and (stentless with valvesame leaflet)	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/28 23:51

S9	204	S5 and (stentless with valve same leaflet)	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/28 23:51
S10	116	S5 and (stentless with valve with leaflet)	US-PGPUB; USPAT; USOOR	ADJ	ON	2009/09/28 23:51
S11	36	("20010011187"   "20010039450"   "20020123800"   "20020138138"   "20020169456"   "20020188348"   "20030036795"   "20030130726"   "20030191525"   "20030208261"   "20040015230"   "20040049262"   "20040193253"   "4218782"   "4902508"   "5156620"   "5411552"   "5554389"   "5607465"   "5855601"   "5993844"   "6099567"   "6110201"   "6126686"   "6168614"   "6200336"   "6206931"   "6254636"   "6287334"   "6299637"   "6364905"   "6485723"   "6508833"   "6582462"   "6716241"   "6752828").PN	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/01/13 15:53
S12	1055	(623/1.24,1.32,1.36,2.12,2.13,2.16).COLS.	US-PGPUB; USPAT; USOOR	OR	OFF	2010/01/13 16:36
S13	120	S12 and (valve same (stentless or frameless))	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/01/13 16:37
S14	43	S12 and (valve same (stentless or frameless) same flexible)	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/01/13 16:37
S15	812	(623/1.24,1.32,1.36).COLS.	US-PGPUB; USPAT; USOOR	OR	OFF	2010/01/13 16:59
S16	9	S15 and (valve same (stentless or frameless) same flexible)	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/01/13 16:59
S17	21	S15 and (valve same (reinforce\$3 with edge))	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/01/13 17:07
S18	1	("6890354").PN.	US-PGPUB; USPAT; USOOR	OR	OFF	2010/01/13 17:15
S19	209	blanco-J\$.xa.	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/01/13 18:25

S20	56	S19 and (valve)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/13 18:26
S21	11	"7081131"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/13 18:33
S22	297	{"20010021872"   "20010039450"   "20020052651"   "20030023300"   "20030069635"   "20030069646"   "20030130726"   "20030130729"   "20030229394"   "20030229395"   "20030233142"   "20030236568"   "20030236569"   "20040002719"   "20040003819"   "20040010305"   "20040015230"   "20040015232"   "20040015233"   "20040019374"   "20040019377"   "20040019378"   "20040024447"   "20040024451"   "20040024452"   "20040030321"   "20040030381"   "20040030382"   "20040030405"   "20040034380"   "20040034411"   "20040039436"   "20040039442"   "20040039443"   "20040044350"   "20040044365"   "20040044403"   "20040049207"   "20040049211"   "20040049266"   "20040059351"   "20040059411"   "20040059412"   "20040060161"   "20040073301"   "20040073302"   "20040078072"   "20040078074"   "20040082910"   "20040082923"   "20040082991"   "20040087975"   "20040088045"   "20040088046"   "20040092858"   "20040093060"   "20040093070"   "20040093080"   "20040097979"   "20040098098"   "20040098112"   "20040102839"   "20040102840"   "20040102842"   "20040106976"   "20040106990"   "20040106991"   "20040111096"   "20040117009"   "20040122448"   "20040122512"   "20040122513"   "20040122514"   "20040122515"   "20040122516"   "20040127979"   "20040127980"   "20040127981"   "20040127982"   "20040133220"	ADJ	ON	2010/01/13 18:33	

|| "20040133267" | "20040133273" |  
|| "20040138742" | "20040138743" | "20040138744"  
|| "20040138745" | "20040148018" |  
|| "20040148019" | "20040148020" | "20040153052"  
|| "20040153146" | "20040153147" |  
|| "20040158321").PN. OR ("20040162610" |  
|| "20040167539" | "20040167620" | "20040172046"  
|| "20040176839" | "20040176840" |  
|| "20040181238" | "20040186444" | "20040186558"  
|| "20040186561" | "20040186563" |  
|| "20040186565" | "20040186566" | "20040193191"  
|| "20040193253" | "20040193260" |  
|| "20040199155" | "20040199183" | "20040199191"  
|| "20040204758" | "20040206363" |  
|| "20040210240" | "20040210301" | "20040210303"  
|| "20040210304" | "20040210305" |  
|| "20040210306" | "20040210307" | "20040215333"  
|| "20040215339" | "20040220654" |  
|| "20040220657" | "20040225322" | "20040225344"  
|| "20040225348" | "20040225352" |  
|| "20040225353" | "20040225354" | "20040225355"  
|| "20040225356" | "20040230117" |  
|| "20040230297" | "20040236411" | "20040236418"  
|| "20040236419" | "20040243153" |  
|| "20040243219" | "20040243227" | "20040243228"  
|| "20040243230" | "20040249452" |  
|| "20040254600" | "20040254636" | "20040260276"  
|| "20040260317" | "20040260322" |  
|| "20040260389" | "20040260390" | "20040260393"  
|| "20040260394" | "20040267357" |  
|| "20050004583" | "20050004667" | "20050010285"  
|| "20050010287" | "20050015112" |  
|| "20050021056" | "20050021136" | "20050027261"  
|| "20050027348" | "20050027351" |  
|| "20050027353" | "20050033398" | "20050033419"  
|| "20050033446" | "20050038506" |  
|| "20050038507" | "20050043790" | "20050043792"

		"3859392"   "3903548"   "4218782"   "4406022" "4580568"   "4643732"   "4851001"   "4863467" "5024232"   "5032128"   "5080668"   "5147389" "5156619"   "5163953"   "5358518"   "5360401" "5413599"   "5476471"   "5607465").PN. OR ("5609598"   "5769780"   "5810847"   "5855601"   "5919224"   "6015431"   "6027525"   "6110201"   "6126686"   "6162245"   "6168614"   "6168619"   "6200336"   "6241763"   "6287334"   "6299637"   "6315793"   "6319281"   "6328727"   "6334873"   "6440164"   "6458153"   "6503272"   "6508833"   "6572652"   "6602286"   "6666885"   "6666886"   "6669725"   "6673109"   "6676698"   "6676702"   "6682558"   "6682559"   "6685739"   "6692512"   "6695866"   "6695878"   "6709456"   "6709457"   "6716241"   "6716244"   "6719767"   "6719784"   "6719786"   "6719787"   "6719788"   "6719789"   "6719790"   "6723038"   "6723122"   "6723123"   "6726715"   "6726716"   "6726717"   "6730118"   "6730121"   "6730122"   "6736845"   "6736846"   "6749630"   "6752813"   "6752828"   "6755857"   "6761734"   "6761735"   "6764494"   "6764508"   "6764509"   "6764510"   "6767362"   "6769434"   "6770083"   "6780200"   "6786924"   "6786925"   "6790229"   "6790230"   "6790231"   "6793673"   "6797000"   "6797001"   "6797002"   "6802660"   "6805710"   "6805711"   "6810882"   "6821297"   "6824562"   "6830584"   "6830585"   "6837902"   "6840246"   "6840957"   "6846324"   "6846325"   "6858039").PN. OR ("7081131").URPN.				
S23	0	sweet-t\$.xa and sweet-t\$.pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/01/13 18:36
S24	0	sweet-t\$.xa or sweet-t\$.pn.	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/01/13 18:36
S25	0	sweet-t\$.xa and (valve and vein)	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/01/13 18:36

S26	16	sweet-t\$.xa. and (valve and vein)	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/01/13 18:36
S27	0	sweet-t\$.pn. and (valve and vein)	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/01/13 18:37
S28	0	sweet-t\$.pa. and (valve and vein)	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/01/13 18:37
S29	1	("7452371").PN.	US-PGPUB; USPAT; USOOR	OR	OFF	2010/01/14 10:48
S30	1	("6200336").PN.	US-PGPUB; USPAT; USOOR	OR	OFF	2010/01/14 10:49
S31	37320	"623".\$clas.	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/07/16 18:15
S32	272	S31 and (band with (barb or hook))	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/07/16 18:15
S33	14	S31 and (band with (lateral\$3) with (barb or hook))	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/07/16 18:16
S34	1	S31 and (edge same (microbarb or microhook))	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/07/16 18:20
S35	17	S31 and ((microbarb or microhook))	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/07/16 18:21
S36	12	(valve or leaflet) same (microbarb or microhook)	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/07/16 18:24
S37	150	(valve or leaflet) same (later\$3 same barb)	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/07/16 18:25
S38	43	(valve or leaflet) same (later\$3 with barb)	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/07/16 18:25
S39	1	("6629534").PN.	US-PGPUB; USPAT; USOOR	OR	OFF	2010/07/16 18:28
S40	1	("6752813").PN.	US-PGPUB; USPAT; USOOR	OR	OFF	2010/07/16 18:29

S41	1	{"20090157169"}.PN.	US-PGPUB; USPAT; USOOR	OR	OFF	2010/07/16 19:11
S42	891	\$31 and (barb same (diameter or millimeter or mm or inch or thickness))	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/07/16 20:05
S43	297	\$31 and (barb with (diameter or millimeter or mm or inch or thickness))	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/07/16 20:05
S44	260	\$31 and (barb with (diameter or millimeter or inch or thickness))	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/07/16 20:06
S45	207	\$31 and (barb with (diameter or millimeter or inch))	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/07/16 20:06
S46	186	\$31 and (barb with (diameter or inch))	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/07/16 20:07
S47	81	\$31 and (barb with (diameter or inch)) and valve	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/07/16 20:07
S48	74	\$31 and (barb with (mm or millimeter or inch)) and valve	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/07/16 20:08
S49	1	\$31 and (barb with (thickness) with (mm or millimeter or inch)) and valve	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/07/16 20:11
S50	0	\$31 and (barb with (width) with (mm or millimeter or inch)) and valve	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/07/16 20:12
S51	2	\$31 and (barb with (diameter) with (mm or millimeter or inch)) and valve	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/07/16 20:12
S52	74	\$31 and (barb same (diameter) with (mm or millimeter or inch)) and valve	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/07/16 20:12
S53	17	"2061440"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/11/04 15:30
S54	588	623/1.36	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/11/04 15:31

S55	0	S54 and (frame same array same hook)	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/11/04 15:31
S56	1158	(623/1.24,1.32,1.36,2.12,2.13,2.16).OCLS.	US-PGPUB; USPAT; USOOR	OR	OFF	2010/11/04 15:32
S57	0	S56 and (frame same array same hook)	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/11/04 15:32
S58	0	S56 and (frame same array same barb)	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/11/04 15:32
S59	38512	"623".\$clas.	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/11/04 15:32
S60	2	S59 and (valve same frame same array same barb)	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/11/04 15:32
S61	5	S59 and (frame same array same barb)	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/11/04 15:34
S62	0	S59 and (frame same array with barb)	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/11/04 15:34
S63	0	(valve same frame same array with barb)	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/11/04 15:34
S64	2	(valve same frame same array with hook)	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/11/04 15:35
S65	0	(valve same border same array with hook)	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/11/04 15:35
S66	7	(valve same border same array with element)	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/11/04 15:35
S67	59	S54 and (valve same (hook\$3 or barb\$ or pierc\$3))	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/11/04 15:36
S68	2	S54 and (valve same (array or patch or width) same (hook\$3 or barb\$ or pierc\$3))	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/11/04 15:37

S69	20	((7819836" or ("7682390") or ("7658759") or ("7655034") or ("7611535") or ("7604661") or ("7597848") or ("20030149478") or ("20030149476") or ("20020032481") or ("6527800") or ("6425916") or ("5389106") or ("7569072") or ("7524330") or ("7128759") or ("7025780") or ("7771469") or ("20050004681") or ("20040117004").PN.	US-PGPUB; USPAT; USOOR	OR	OFF	2010/11/05 17:33
S70	28	((20010020181"   "20010021872"   "5855597"   "5855601"   "5935163"   "0425916").PN. OR ("7025780").URPN.	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/11/05 17:46
S71	1158	(623/1.24,1.32,1.36,2.12,2.13,2.16).CCLS.	US-PGPUB; USPAT; USOOR	OR	OFF	2010/11/05 17:47
S72	19	S71 and (valve same element same flexible).clm.	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/11/05 17:47
S73	1158	(623/1.24,1.32,1.36,2.12,2.13,2.16).CCLS.	US-PGPUB; USPAT; USOOR	OR	OFF	2010/11/05 17:55
S74	4	S73 and ((peripher\$3 with (band or reinforc\$5)) same (valve or implant) with (edge or border))	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/11/05 17:55
S75	1	S73 and ((peripher\$3 with (band or reinforc\$5) with (hook or barb)) same (valve or implant))	US-PGPUB; USPAT; USOOR	ADJ	ON	2010/11/05 17:56

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S76	2	(implant same flexible same material same array).clm.	USPAT; UPAD	ADJ	ON	2010/11/05 17:58
S77	7	(valve same flexible same material same array).clm.	USPAT; UPAD	ADJ	ON	2010/11/05 17:58
S78	204	(valve same flexible same material same element).clm.	USPAT; UPAD	ADJ	ON	2010/11/05 17:59

S79	12	(valve same flexible same material same (hook or barb)).clm.	USPAT; UPAD	ADJ	ON	2010/11/05 17:59
-----	----	--	-------------	-----	----	------------------

11/19/2010 4:51:12 PM

C:\Documents and Settings\ysharma\My Documents\EAST\Workspaces\10551399- percutaneously deployed vascular valve.wsp